ELSEVIER

Volume 193, Issues 1–3, 1 October 2004

JOURNAL OF PURE AND APPLIED ALGEBRA

www.elsevier.com/locate/jpaa

CONTENTS

Abstracted/Indexed in: Current Contents: Physical, Chemical & Earth Sciences, Mathematical Reviews, PASCAL, Science Citation Index, Zentralblatt für Mathematik.

J. Adamus
Vertical components and flatness of Nash mappings 1
G. Ames, L. Cagliero, P. Tirao
The GL-module structure of the Hochschild homology of truncated tensor algebras 11
S. El Baghdadi, M. Fontana, G. Picozza
Semistar Dedekind domains 27
M. de Bondt, A. van den Essen
Nilpotent symmetric Jacobian matrices and the Jacobian conjecture 61
L. Busé
Resultants of determinantal varieties 71
S. Pérez-Díaz, J.R. Sendra
Computation of the degree of rational surface parametrizations 99
C. Geiß, D. Voigt
Non-reduced automorphism schemes 123
D.J. Green
The essential ideal in group cohomology does not square to zero 129
E.L. Green, E.N. Marcos, R. Martínez-Villa, P. Zhang
D-Koszul algebras 141
S. Harashita
The *a*-number stratification on the moduli space of supersingular abelian varieties 163
M. Héraoua, A. Salinier
Endomorphisms of the binomial coalgebra 193
J. Hong
Rees algebras of conormal modules 231
D.-J. Mercier
The number of solutions of the equation $\mathrm{Tr}_{\mathbb{F}_l/\mathbb{F}_s}(f(x)+v.x)=b$ and some applications 251
I. Mori
Riemann–Roch like theorem for triangulated categories 263
C. Xi
On the finitistic dimension conjecture I: related to representation-finite algebras 287
D. Zhang
An elementary proof that the length of $X_1^4+X_2^4+X_3^4+X_4^4$ is 4 307
M. Zunino
Yetter–Drinfeld modules for crossed structures 313
Author Index Volume 193 345

Also available on

SCIENCE DIRECT®

www.sciencedirect.com

CONTENTS direct

This journal is part of **ContentsDirect,** the ***free*** alerting service which sends tables of contents by e-mail for Elsevier books and journals. You can register for **ContentsDirect** online at: http://contentsdirect.elsevier.com

0022-4049(20041001)193:1-3;1-0

Keep track of recently published papers via the journal's home page on the www: http://*www.elsevier.com/locate/jpaa*